CLAIMS:

1. – 9. (canceled)

10. (currently amended) An apparatus comprising:

a transformer including a primary coil and a first secondary coil coupled to the primary coil by magnetic induction;

a switch connected to the primary coil;

a first rectifier circuit connected to the primary coil to generate a first direct current ~~DC~~ output voltage, ~~and~~ the first rectifier circuit not directly physically connected to ~~disconnected from~~ the first secondary coil, and

a second rectifier circuit connected to the first secondary coil to generate a second direct current ~~DC~~ output voltage.

11. (canceled)

12. (previously presented) The apparatus according to Claim 10 wherein the first rectifier circuit comprises a first diode and a first capacitor and wherein the second rectifier circuit comprises a second diode and a second capacitor.

13. (previously presented) The apparatus according to Claim 10 further comprising an inductor that is coupled across the primary coil and coupled to the first rectifier circuit.

14. (canceled)

15. (canceled)

16. (previously presented) The apparatus according to Claim 13 wherein the first rectifier circuit comprises a first diode and a first capacitor and wherein the second rectifier circuit comprises a second diode and a second capacitor.

17. (currently amended) The apparatus according to Claim 10 further comprising:

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an input voltage port that is connected to the primary coil to provide a~~n externally provided~~ direct current ~~DC~~ input voltage to the primary coil.

18. (currently amended) ~~An~~ The apparatus according to Claim 10~~14~~ further comprising:

an input voltage port that is connected to the primary coil to provide a~~n externally provided~~ direct current ~~DC~~ input voltage to the primary coil.

19. (currently amended) The apparatus according to Claim 10 wherein the transformer further comprises a second secondary coil coupled in series to the first secondary coil and coupled to the primary coil by magnetic induction, and the apparatus further comprises a third rectifier circuit connected to the second secondary coil to generate a third direct current ~~DC~~ output voltage.

20. (previously presented) The apparatus according to Claim 19 wherein a node between the first secondary coil and the second secondary coil has a fixed voltage.

21. (previously presented) The apparatus according to Claim 20 wherein the node between the first secondary coil and the second secondary coil is grounded.

22. (previously presented) The apparatus according to Claim 19 wherein each of the first, second, and third rectifier circuits comprises a diode and a capacitor.

23. (currently amended) The apparatus according to Claim 22 wherein the diode of the second rectifier circuit is connected in a forward bias direction from the first secondary coil, and the diode of the third rectifier circuit is connected in a reverse bias direction from the second secondary coil.

24. (previously presented) The apparatus according to Claim 19 further comprising an inductor coupled in parallel to the primary coil and connected to the first rectifier circuit.

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